Technical Information

TI 01B08A02-05EN

YS1000
Replacement Guide
Overview, Model Conversion

YS1000 Series

The contents of this Technical Information are subject to change without notice.

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TI 01B08A02-05EN
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1st Edition Jun.13, 2014

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Introduction

This manual is useful for hardware selection when updating YS80 or YS100 series panel instruments (controllers, indicators with alarms, manual setters, and manual stations) to the YS1000 series.
This assumes you are updating the instrument, therefore we recommend in this manual that the successor YS1000 series type is YS100 compatible, YS80 internally compatible, or YS80 compatible.
In the substitute model selection examples, we use suffix codes of popular models. Please contact us if you have any questions regarding codes that are not listed.

●Documentation for replacement

Name	No.	Description
YS1000 Series Replacement Guide Overview, Model Conversion	TI 01B08A02-05EN	Please read me first. This manual describes the overview, model conversion.
YS1000 Series Replacement Guide Installation and Wiring	TI 01B08A02-06EN	This manual describes the compatibility of installation and wiring with YS100, YS80, EBS, I, EK, HOMAC, and 100 line.
YS1000 Replacement Guide YS170 → YS1700 User Program Conversion	TI 01B08A02-07EN	This manual describes how to read user programs and parameters from the YS100 and convert then to YS1000 data.
YS1000 Replacement Guide SLPC → YS1700 User Program Conversion	TI 01B08A02-08EN	This manual describes how to read user programs and parameters from the SLPC and convert then to YS1000 data.

■ Notice

- The contents of this manual are subject to change without notice as a result of continuing improvements to the instrument's performance and functions.
- Every effort has been made to ensure accuracy in the preparation of this manual. Should any errors or omissions come to your attention, however, please inform Yokogawa Electric's sales office or sales representative.
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1. Format compatibility with old models

- There are a variety of format compatibility replacement kits available for the YS1000 series so that you never have to change the installation environment of existing instruments. Panel cut dimensions and depth dimensions from the panel mounting surface remain the same (you can continue to use the existing panel cut and wiring).
- For dimensions not indicated in this manual, see "YS1000 Series Replacement Guide, Installation and Wiring (TI 01B08A02-06EN)."
- Replacement examples
  - YS170 → YS1700-12□
  - SLPC → YS1700-13□
  - SLPC → YS1700-14□

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2. Replacements from the YS100 series

- For the YS100 series standard exterior model, if you select a YS100 compatible format of the YS1000 series (with a basic suffix code of type "2"), you can install it in the existing panel.
- For YS100 series models with non-standard exteriors and differences with recommended models per YS100 series suffix codes, see the materials on the next page.

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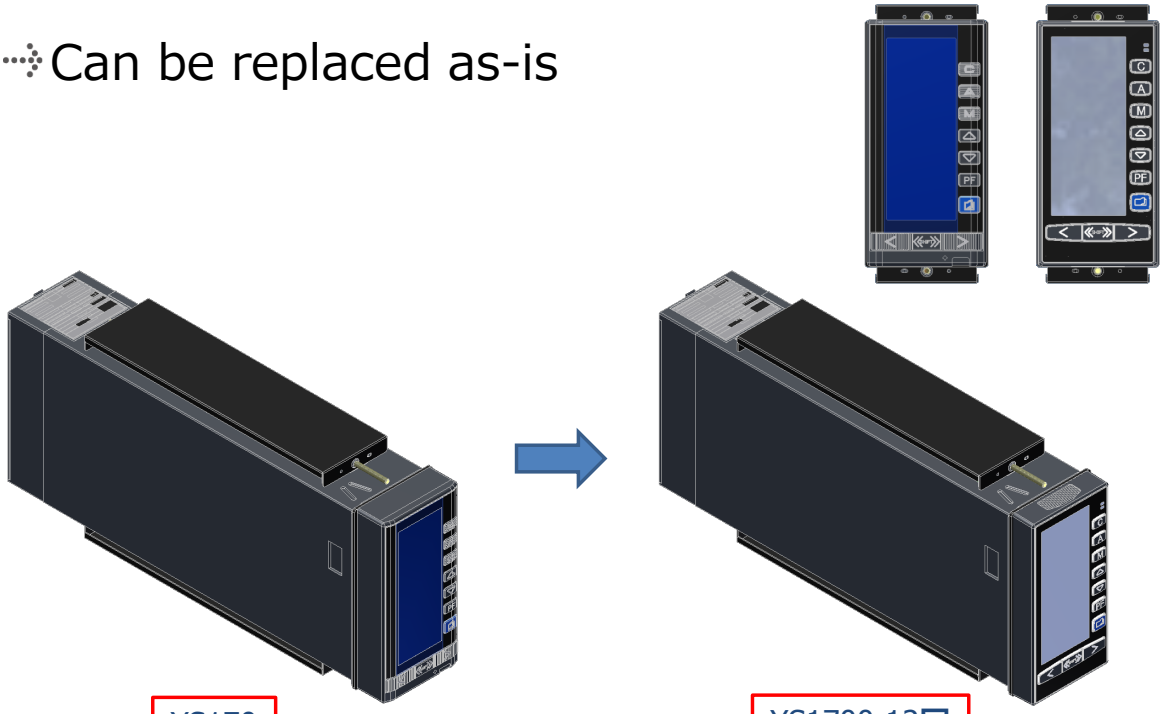
2.1 Exterior YS170 --> YS1700-12 X (YS100 compatible format) (1)

Can be replaced as-is



YS170

YS1700-12□

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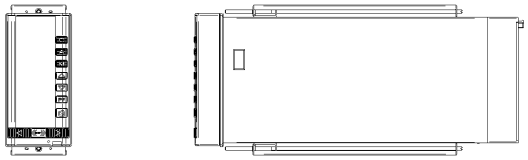
2.1 Exterior YS170 --> YS1700-12 X (YS100 compatible format) (2)

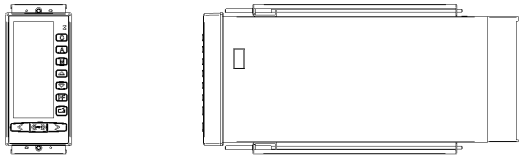
YS100 terminal block

YS170



YS100 terminal block

YS1700-12□



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2.2 Model conversion from YS170 to YS1700

Before Replacement (Old Model)				After Replacement (New Model)		
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes
YS170			Single Loop Programmable Controller			
	-001		100V version	YS1700-120		
	-002		200V version	YS1700-121		
	-011		100V version	YS1700-120		
	-012		200V version	YS1700-121		
Options related to main unit selection		/D11	Replace for YEWSERIES 80 Internal Unit (Separate	YS1700-130	+ (SHUP-000*A)	*4, *7
		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1700-14□		*5
		/D13	Replace for 100 Line Internal Unit (Order YS006, YS100 Housing for 100 Line, separately)	YS1700-15□	+ YS006-000	*6
		/CE	CE Mark Approved	YS1700-12□		
		/CSA	CSA Non-incendive Approved	(YS1700-12□ + /CSA)		CSA approval in progress
Options unrelated to main unit selection		/A01	mV Input	+ /A01		
		/A02	TC Input	+ /A02		
		/A03	RTD Input	+ /A03		
		/A04	Potentiometer	+ /A04		
		/A05	Input Isolator	+ /A05		
		/A06	2-wire Transmitter Input	+ /A06		
		/A07	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A08	Frequency Input	+ /A08		
		/A12	TC Input	+ /A02		
		/A13	RTD Input	+ /A03		
		/A16	2-wire Transmitter Input	+ /A06		
		/A17	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A31	RS-485	+ /A31		
		/A32	DCS-LCS	+ /A32		
		/A33	YS-net	+ /A31		*1, *3

Replacement examples

YS170-0□1/A31	YS1700-120/A31
YS170-0□1/A32	YS1700-120/A32
YS170-0□1/CE	YS1700-120
YS170-0□2/A06	YS1700-121/A06
YS170-0□2/A33	YS1700-121/A31 *3, *1
YS170-0□1/D11	YS1700-130 + SHUP-000*A
YS170-0□1/CE/A31	YS1700-120/A31
YS170-0□1/D12	YS1700-140
YS170-0□1/CE/A16/A31	YS1700-120/A06/A31
YS170-0□1/A32/D12	YS1700-140/A32

*1 Communication functions differ. Replacement of some models may not be possible.
*3 Please switch instruments involved in communication to RS485.
*4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.
*5 If the old model is 200 V, the new model main unit must also be 200 V.
*6 If the old model is 200 V, the new model main unit must also be 200 V.
*7 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

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2.2 Model conversion from YS150 to YS1500

Before Replacement (Old Model)				After Replacement (New Model)		
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes
YS150			Single Loop Multifunction Controller			
	-001		100V version	YS1500-120		
	-002		200V version	YS1500-121		
	-011		100V version	YS1500-120		
	-012		200V version	YS1500-121		
Options related to main unit selection		/D11	Replace for YEWSERIES 80 Internal Unit (Separate ordered for housing or use SHUP that already mounted)	YS1500-130	+ (SHUP-000*A)	*4, *7
		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1500-14□		*5
		/D13	Replace for 100 Line Internal Unit (Order YS006, YS100 Housing for 100 Line, separately)	YS1500-15□	+ YS006-000	*6
		/CE	CE Mark Approved	YS1500-12□		
		/CSA	CSA Non-incendive Approved	(YS1500-12□ + /CSA)		CSA approval in progress
Options unrelated to main unit selection		/A01	mV Input	+ /A01		
		/A02	TC Input	+ /A02		
		/A03	RTD Input	+ /A03		
		/A04	Potentiometer	+ /A04		
		/A05	Input Isolator	+ /A05		
		/A06	2-wire Transmitter Input	+ /A06		
		/A07	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A08	Frequency Input	+ /A08		
		/A12	TC Input	+ /A02		
		/A13	RTD Input	+ /A03		
		/A16	2-wire Transmitter Input	+ /A06		
		/A17	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A31	RS-485	+ /A31		
		/A32	DCS-LCS	+ /A32		
		/A33	YS-net	+ /A31		*1, *3

Replacement examples

YS150-0□1/A06	YS1500-120/A06
YS150-0□1/A31	YS1500-120/A31
YS150-0□2/A32	YS1500-121/A32
YS150-0□2/D11	YS1500-131 + SHUP-000*A
YS150-0□1/A06/D12	YS1500-140/A06
YS150-0□1/CE	YS1500-120
YS150-0□1/A06/A31	YS1500-120/A06/A31
YS150-0□1/A05/A32	YS1500-120/A05/A31
YS150-0□1/A33	YS1500-120/A31 *1
YS150-0□1/A03/A31/D12	YS1500-140/A03/A31

*1 Communication functions differ. Replacement of some models may not be possible.
*3 Please switch instruments involved in communication to RS485.
*4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.
*5 If the old model is 200 V, the new model main unit must also be 200 V.
*6 If the old model is 200 V, the new model main unit must also be 200 V.
*7 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

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2.2 Model conversion from YS131 to YS1310

Before Replacement (Old Model)				After Replacement (New Model)		
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes
YS131			Indicator with Alarm			
	-001		100V version	YS1310-120		
	-002		200V version	YS1310-121		
Options related to main unit selection		/D11	Replace for YEWSERIES 80 Internal Unit (Separate ordered for housing or use SHUP that already mounted)	YS1310-130	+ (SHUP-000*A)	*4, *7
		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1310-14□		*5
		/D13	Replace for 100 Line Internal Unit (Order YS006, YS100 Housing for 100 Line, separately)	YS1310-15□	+ YS006-000	*6
		/CE	CE Mark Approved	YS1310-12□		
		/CSA	CSA Non-incendive Approved	YS1310-12□ + /CSA		CSA approval in progress
Options unrelated to main unit selection		/A01	mV Input	+ /A01		
		/A02	TC Input	+ /A02		
		/A03	RTD Input	+ /A03		
		/A04	Potentiometer	+ /A04		
		/A05	Input Isolator	+ /A05		
		/A06	2-wire Transmitter Input	+ /A06		
		/A07	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A08	Frequency Input	+ /A08		
		/A12	TC Input	+ /A02		
		/A13	RTD Input	+ /A03		
		/A16	2-wire Transmitter Input	+ /A06		
		/A17	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A31	RS-485	+ /A31		
		/A33	YS-net	+ /A31		*1, *3

Replacement examples

YS131-001	YS1310-120
YS131-001/A06	YS1310-120/A06
YS131-002/A31	YS1310-121/A31
YS131-002/CE	YS1310-121
YS131-001/A03	YS1310-120/A03
YS131-001/A05	YS1310-120/A05
YS131-001/D12	YS1310-140
YS131-001/D11	YS1310-130 + SHUP-000*A
YS131-001/CE/A16	YS1310-120/A06
YS131-001/A33/D11	None

*1 Communication functions differ. Replacement of some models may not be possible.
*3 Please switch instruments involved in communication to RS485.
*4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.
*5 If the old model is 200 V, the new model main unit must also be 200 V.
*6 If the old model is 200 V, the new model main unit must also be 200 V.
*7 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

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2.2 Model conversion from YS135 to YS1350

Before Replacement (Old Model)				After Replacement (New Model)		
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes
YS135			Auto/Manual Station (for SV Setting)			
	-001		100V version	YS1350-120		
	-002		200V version	YS1350-121		
Options related to main unit selection		/D11	Replace for YEWSERIES 80 Internal Unit (Separate ordered for housing or use SHUP that already mounted)	YS1350-130	+ (SHUP-000*A)	*4, *7
		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1350-14□		*5
		/D13	Replace for 100 Line Internal Unit (Order YS006, YS100 Housing for 100 Line, separately)	YS1350-15□	+ YS006-000	*6
		/CE	CE Mark Approved	YS1350-12□		
		/CSA	CSA Non-incendive Approved	(YS1350-12☐ + /CSA)		CSA approval in progress
Options unrelated to main unit selection		/A01	mV Input	+ /A01		
		/A02	TC Input	+ /A02		
		/A03	RTD Input	+ /A03		
		/A04	Potentiometer	+ /A04		
		/A05	Input Isolator	+ /A05		
		/A06	2-wire Transmitter Input	+ /A06		
		/A07	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A08	Frequency Input	+ /A08		
		/A12	TC Input	+ /A02		
		/A13	RTD Input	+ /A03		
		/A16	2-wire Transmitter Input	+ /A06		
		/A17	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A31	RS-485	+ /A31		
		/A32	DCS-LCS	+ /A32		
		/A33	YS-net	+ /A31		*1, *3

Replacement examples

YS135-001	YS1350-120

*1 Communication functions differ. Replacement of some models may not be possible.
*3 Please switch instruments involved in communication to RS485.
*4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.
*5 If the old model is 200 V, the new model main unit must also be 200 V.
*6 If the old model is 200 V, the new model main unit must also be 200 V.
*7 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

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2.2 Model conversion from YS136 to YS1360

Before Replacement (Old Model)				After Replacement (New Model)		
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes
YS136			Auto/Manual Station (for MV Setting)			
	-001		100V version	YS1360-120		
	-002		200V version	YS1360-121		
Options related to main unit selection		/D11	Replace for YEWSERIES 80 Internal Unit (Separate ordered for housing or use SHUP that already mounted)	YS1360-130	+ (SHUP-000*A)	*4, *7
		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1360-14□		*5
		/D13	Replace for 100 Line Internal Unit (Order YS006, YS100 Housing for 100 Line, separately)	YS1360-15□	+ YS006-000	*6
		/CE	CE Mark Approved	YS1360-12□		
		/CSA	CSA Non-incendive Approved	(YS1360-12□ + /CSA)		CSA approval in progress
Options unrelated to main unit selection		/A01	mV Input	+ /A01		
		/A02	TC Input	+ /A02		
		/A03	RTD Input	+ /A03		
		/A04	Potentiometer	+ /A04		
		/A05	Input Isolator	+ /A05		
		/A06	2-wire Transmitter Input	+ /A06		
		/A07	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A08	Frequency Input	+ /A08		
		/A12	TC Input	+ /A02		
		/A13	RTD Input	+ /A03		
		/A16	2-wire Transmitter Input	+ /A06		
		/A17	2-wire Transmitter Input (no isolation from the field)	+ /A07		
		/A31	RS-485	+ /A31		
		/A32	DCS-LCS	+ /A32		
		/A33	YS-net	+ /A31		*1, *3

Replacement examples

YS136-001	YS1360-120
YS136-001/CE	YS1360-120
YS136-001/A32	YS1360-120/A31
YS136-002/A05	YS1360-121/A05
YS136-002/D12	YS1360-141
YS136-001/D11	YS1360-130 + SHUP-000*A
YS136-001/A06	YS1360-120/A06
YS136-001/A32/D11	YS1360-130/A32 + SHUP-000*A
YS136-001/A31	YS1360-120/A31
YS136-001/A06/D13	YS1360-150/A06 + YS006-000

*1 Communication functions differ. Replacement of some models may not be possible.
*3 Please switch instruments involved in communication to RS485.
*4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.
*5 If the old model is 200 V, the new model main unit must also be 200 V.
*6 If the old model is 200 V, the new model main unit must also be 200 V.
*7 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

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3. Replacements from the YS80 series

- For the YS80 series standard exterior model, if you are *not* using communication and you select a YS80 compatible format of the YS1000 series (with a basic suffix code of type "3"), you can install it in the existing panel.
- For the YS80 series standard exterior model, if you *are* using communication and you select a YS80 compatible format of the YS1000 series (with a basic suffix code of type "4"), you can install it in the existing panel. In this case, you must switch to RS485 for communications, including with CENTUM. Please consider the fact that there are also cases where software must be changed.
- For YS80 series models with non-standard exteriors and differences with recommended models per YS80 series suffix codes, see the materials on the next page.

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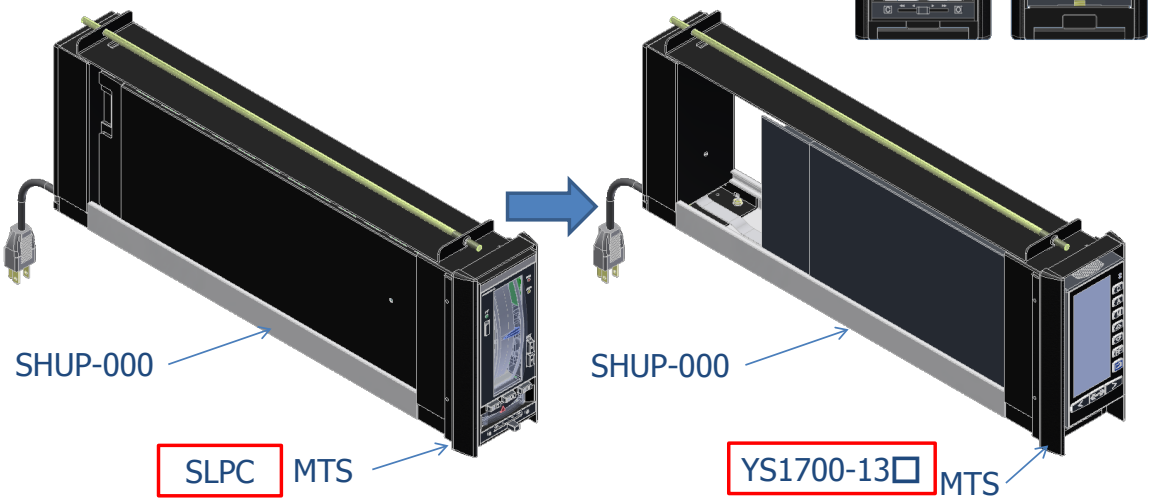
3.1 Exterior SLPC --> YS1700-13 X (YS80 compatible format) (1)

Order the housing (SHUP) and mounting kit (MTS) separately.



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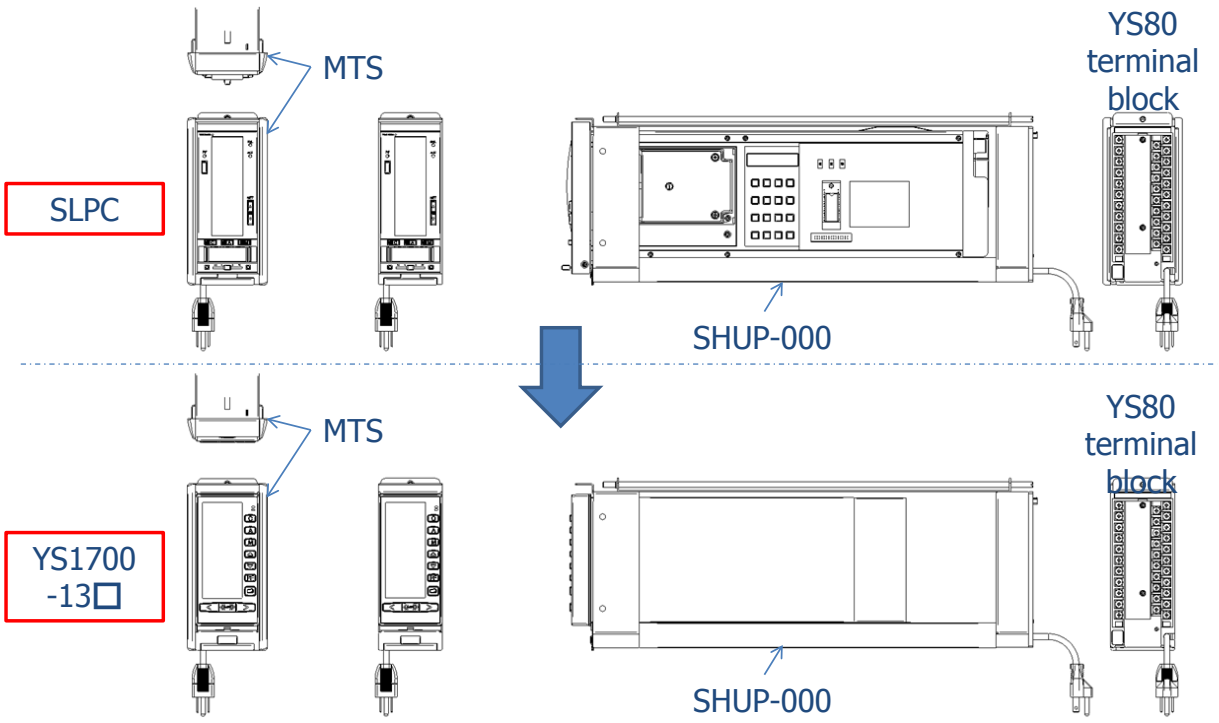
3.1 Exterior SLPC --> YS1700-13 X (YS80 compatible format) (2)



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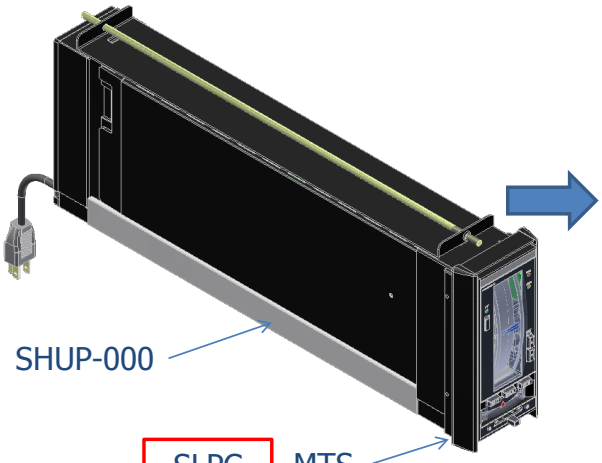
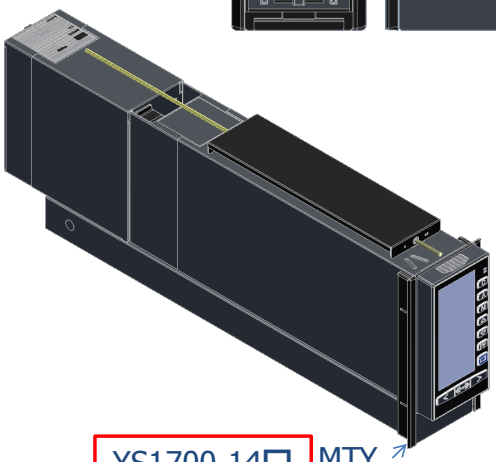
3.1 Exterior SLPC --> YS1700-14 X (YS80 compatible format) (1)

- Order the mounting kit (MTY) separately.





SLPC MTS YS1700-14□ MTY

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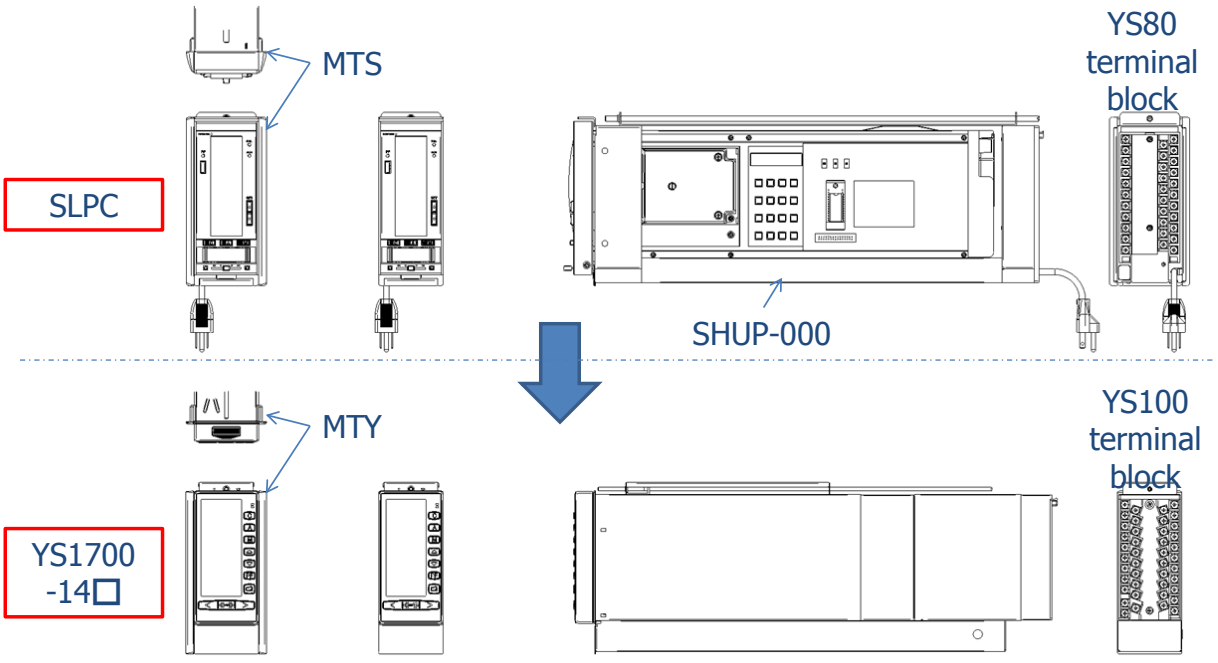
3.1 Exterior SLPC --> YS1700-14 X (YS80 compatible format) (2)



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3.2 Model conversion from SLPC to YS1700

Before Replacement (Old Model)					After Replacement (New Model), No Communication				After Replacement (New Model), with Communication *10			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
SLPC				Programmable Indicating Controller								
	-151			Moving coil type (Enhanced model, with djustable filter)	YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
	-181			Moving coil type (Enhanced model, with djustable filter and self-tuning)	YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
	-251			Fluorescent bar graph (Enhanced model, with adjustable filter)	YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
	-281			Fluorescent bar graph (Enhanced model, with adjustable filter and self-tuning function)	YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
		*E		Style E								
Options related to main unit selection			/A2ER	220 V version with plug	YS1700-131	+ SHUP-000*A/A2ER	Plug		YS1700-141/A31		Terminal	*7, *9
			/A2	220 V version without plug	YS1700-131	+ SHUP-000*A/A2ER	Plug	*2	YS1700-141/A31		Terminal	*7, *9
			/HTB	Screw terminal for housing	YS1700-130	+ SHUP-000*A/HTB	Terminal		YS1700-140/A31		Terminal	*7, *9
			/100H	100 line housing	YS1700-150	+ YS006-000 *5	Terminal		YS1700-150/A31	+YS006-000	Terminal	*6, *7
			/LH	Long housing with terminal	YS1700-130	+ SHUP-100*A	Terminal		None			
			/HEKC	EK housing	YS1700-130	+ SHUP-420*A+RA001	Terminal	*8	None			*5
Options unrelated to main unit			/MTS	With mounting kit		+ SHUP-□□□*A/MTS						
			/WSW	With spring washer		+ SHUP-□□□*A/WSW						
			/FBP	Fuse bypass				TOKUCHU				TOKUCHU
None *1			/HA	10 to 50 mA DC output				*3				*3
			/SCF-G□M	Bezel color change				*4				
No need to consider			/NPR	Unprogrammed								
			/UPR	With user program								
			/NHS	Without housing				*2				
			/NPE	Nameplate engraving								
			/NP	Nemeplate lettering								
			/LOCK	Plug assembly (for special locking function) K9054F								

Replacement examples	
SLPC−□□1*E/NPR/MTS	YS1700−130 + SHUP−000*A/MTS
SLPC−□□1*E/NPR/MTS/HTB	YS1700−130 + SHUP−000*A/MTS/HTB
SLPC−□□1*E/NPR/MTS/LH	YS1700−130 +SHUP−100*A/MTS
SLPC−□□1*E/NPR/A2ER/MTS	YS1700−131 + SHUP−000*A/A2ER/MTS
SLPC−□□1*E/NPR/HEKC	YS1700−130 + SHUP−420*A+RA001
SLPC−□□1*E/NPR/NHS	YS1700−130 + SHUP−000*A
SLPC−□□1*E/NPR/LH	YS1700−130 + SHUP−100*A/MTS
SLPC−□□1*E/NPR/HTB	YS1700−130 + SHUP−000*A/HTB
SLPC−□□1*E/NPR/A2ER	YS1700−131 + SHUP−000*A/A2ER
SLPC−□□1*E/NPR/A2ER/MTS/NPE	YS1700−131 + SHUP−000*A/A2ER/MTS

*1 No YS1700 options are available that correspond to the old model options.
*2 We recommend switching the housing.
*3 Not available internally in the YS1700. Please use an external (JUXTA) signal conditioner.
Ex.: FC0A-HA*B (24 VDC power supply) is recommended, but no OOP detection. Load resistance: 220 Ω
*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.
*5 With /LH, does not include communication
*6 Mounting kit uses existing settings
*7 The communication protocol is RS485. RS485 communication must also be used for CENTUM.
*8 The mounting kit for SHUP-420*A is RA001.
*9 The mounting kit for YS1700-14□ is MTY.
*10 We do not recommend selling /A32 (LCS communication) hereafter.
We recommend setting it to RS485 communication, and also changing the CENTUM communication.

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3.2 Model conversion from SLCD to YS1500

Before Replacement (Old Model)					After Replacement (New Model), No Communication				After Replacement (New Model), with Communication *10			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
SLCD				Indicating Controller								
	-151			Moving coil type (Enhanced model, with djustable	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-171			Moving coil type (Enhanced model, with djustable filter and self-tuning)	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-181			Moving coil type (Enhanced model, with djustable filter and self-tuning)	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-251			Fluorescent bar graph (Enhanced model, with adjustable filter)	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-281			Fluorescent bar graph (Enhanced model, with adjustable filter and self-tuning function)	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
		*E		Style E								
Options related to main unit selection			/A2ER	220 V version with plug	YS1500-131	+ SHUP-000*A/A2ER	Plug		YS1500-141/A31		Terminal	*7, *9
			/A2	220 V version without plug	YS1500-131	+ SHUP-000*A/A2ER	Plug	*2	YS1500-141/A31		Terminal	*7, *9
			/HTB	Screw terminal for housing	YS1500-130	+ SHUP-000*A/HTB	Terminal		YS1500-140/A31		Terminal	*7, *9
			/100H	100 line housing	YS1500-150	+ YS006-000 *5	Terminal		YS1500-150/A31	+ YS006-000	Terminal	*6, *7
			/LH	Long housing with terminal	YS1500-130	+ SHUP-100*A	Terminal		None			
			/HEKC	EK housing	YS1500-130	+ SHUP-420*A+RA001	Terminal	*8	None			*5
Options unrelated to main unit selection			/MTS	With mounting kit		+ SHUP-□□□*A/MTS						*7
			/WSW	With spring washer		+ SHUP-□□□*A/WSW						
			/FBP	Fuse bypass				TOKUCHU				TOKUCHU
None *1			/HA	10 to 50 mA DC output				*3				*3
			/SCF-G□M	Bezel color change				*4				
No need to consider			/NHS	Without housing				*2				
			/NPE	Nameplate engraving								
			/NP	Nemeplate lettering								
			/LOCK	Plug assembly (for special locking function) K9054F								

Replacement examples	
SLCD−□□1*E/MTS	YS1500-130 + SHUP-000*A/MTS
SLCD−□□1*E/MTS/LH	YS1500-130 +SHUP-100*A/MTS
SLCD−□□1*E/MTS/HTB	YS1500-130 + SHUP-000*A/MTS/HTB
SLCD−□□1*E/MTS/LH/NPE	YS1500-130 +SHUP-100*A/MTS
SLCD−□□1*E/HEKC	YS1500-130 + SHUP-420*A+RA001
SLCD−□□1*E/MTS/NPE/HTB	YS1500-130 + SHUP-000*A/MTS/HTB
SLCD−□□1*E/A2ER/MTS	YS1500−131 + SHUP−100*A/MTS
SLCD−□□1*E/NPE/100H	YS1500-150 + YS006-000
SLCD−□□1*E/100H	YS1500-150 + YS006-000
SLCD−□□1*E/MTS/NPE/HTB/WSW	YS1500-130 + SHUP-000*A/MTS/HTB/WSW

*1 No YS1500 options are available that correspond to the old model options.
*2 We recommend switching the housing.
*3 Not available internally in the YS1500. Please use an external (JUXTA) signal conditioner.
Ex.: FC0A-HA*B (24 VDC power supply) recommended, but no OOP detection. Load resistance: 220 Ω
*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1500.
*5 With /LH, does not include communication
*6 Mounting kit uses existing settings
*7 The communication protocol is RS485. RS485 communication must also be used for CENTUM.
*8 The mounting kit for SHUP-420*A is RA001.
*9 The mounting kit for YS1700-14□ is MTY.
*10 We do not recommend selling /A32 (LCS communication) hereafter.
We recommend setting it to RS485 communication, and also changing the CENTUM communication.

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3.2 Model conversion from SIHK to YS1310

Before Replacement (Old Model)					After Replacement (New Model)			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes
SIHK				Indicator (with Alarm)				*11
	-110				YS1310-130	+ SHUP-000*A	Plug	
		*A		Style A				
Options related to main unit selection			/A2ER	220 V version with plug	YS1310-131	+ SHUP-000*A/A2ER	Plug	
			/A2	220 V version without plug	YS1310-131	+ SHUP-000*A/A2ER	Plug	*2
			/HTB	Screw terminal for housing	YS1310-130	+ SHUP-000*A/HTB	Terminal	
			/100H	100 line housing	YS1310-150	+ YS006-000	Terminal	*6
			/LH	Long housing with terminal	YS1310-130	+ SHUP-100*A	Terminal	
			/HEKC	EK housing	YS1310-130	+ SHUP-420*A	Terminal	*8
Options unrelated to main unit selection			/MTS	With mounting kit		+ SHUP-□□□*A/MTS		
			/WSW	With spring washer		+ SHUP-□□□*A/WSW		
None *1			/SCF-G□M	Bezel color change				*4
No need to consider			/NHS	Without housing				*2
			/NP	Nemeplate lettering				
			/NPE	Nameplate engraving				

Replacement examples

SIHK−110*A/MTS	YS1310-130 + SHUP-000*A/MTS
SIHK−110*A	YS1310-130 + SHUP-000*A
SIHK−110*A/MTS/NP/HTB	YS1310-130 + SHUP-000*A/MTS/HTB
SIHK−110*A/MTS/LH	YS1310-130 + SHUP-100*A/MTS
SIHK−110*A/HEKC	YS1310-130 + SHUP-420*A
SIHK−110*A/A2/MTS	YS1310-131 + SHUP-000*A/A2ER/MTS
SIHK−110*A/MTS/SCF−G□M/NP/HTB	YS1310-130 + SHUP-000*A/MTS/HTB
SIHK−110*A/NHS	YS1310-130 + SHUP-000*A
SIHK−110*A/A2/MTS/NP	YS1310-131 + SHUP-000*A/A2ER/MTS
SIHK−110*A/NP/100H	YS1310-150 + YS006-000

*1 No YS1310 options are available that correspond to the old model options.
*2 We recommend switching the housing.
*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.
*6 Mounting kit uses existing settings
*8 The mounting kit for SHUP-420*A is RA001.
*11 SHIK uses relay contact for the alarm contact. Replace as needed.
Please set up an external relay.

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3.2 Model conversion from SMST-111 to YS1350

Before Replacement (Old Model)					After Replacement (New Model), No Communication				After Replacement (New Model), with Communication *10			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
SMST				Auto/Manual Station	YS1350−130	+ SHUP-000*A	Plug		YS1350-140/A31		Terminal	*7
	-111			With process variable, pushbutton setpoint setting, 1 to 5 V output	YS1350−130	+ SHUP-000*A	Plug		YS1350-140/A31		Terminal	*7
		*E		Style E								
Options related to main unit selection			/A2ER	220 V version with plug	YS1350-131	+ SHUP-000*A/A2ER	Plug		YS1350-141/A31		Terminal	*7, *9
			/A2	220 V version without plug	YS1350-131	+ SHUP-000*A/A2ER	Plug	*2	YS1350-141/A31		Terminal	*7, *9
			/HTB	Screw terminal for housing	YS1350-130	+ SHUP-000*A/HTB	Terminal		YS1350-140/A31		Terminal	*7, *9
			/100H	100 line housing	YS1350-150	+ YS006-000 *5	Terminal		YS1350-150/A31	+YS006-000	Terminal	*6, *7
			/LH	Long housing with terminal	YS1350-130	+SHUP-100*A	Terminal		None			
			/HEKC	EK housing	YS1350-130	+ SHUP-420*A+RA001	Terminal	*8	None			*5
Options unrelated to main unit selection			/MTS	With mounting kit		+ SHUP-□□□*A/MTS						*7
			/WSW	With spring washer		+ SHUP-□□□*A/WSW						
None *1			/SCF-G□M	Bezel color change				*4				
No need to consider			/NHS	Without housing				*2				
			/NPE	Nameplate engraving								
			/NP	Nemeplate lettering								
			/LOCK	Plug assembly (for special locking function) K9054F								

Replacement examples

SMST−111*E/MTS	YS1350−130 + SHUP−000*A/MTS
SMST−111*E/MTS/HTB	YS1350−130 + SHUP−000*A/MTS/HTB
SMST−111*E/HTB	YS1350−130 + SHUP−000*A/HTB
SMST−111*E/LH	YS1350−130 + SHUP−100*A
SMST−111*E/MTS/LH	YS1350−130 + SHUP−100*A/MTS
SMST−111*E/NHS	YS1350−130 + SHUP−100*A

*1 No YS1350 options are available that correspond to the old model options.
*2 We recommend switching the housing.
*3 Not available internally in the YS1350. Please use an external (JUXTA) signal conditioner.
Ex.: FC0A-HA*B (24 VDC power supply) recommended, but no OOP detection. Load resistance: 220 Ω
*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.
*5 With /LH, does not include communication
*6 Mounting kit uses existing settings
*7 The communication protocol is RS485. RS485 communication must also be used for CENTUM.
*8 The mounting kit for SHUP-420*A is RA001.
*9 The mounting kit for YS1700-14□ is MTY.
*10 We do not recommend selling /A32 (LCS communication) hereafter.
We recommend setting it to RS485 communication, and also changing the CENTUM communication.

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3.2 Model conversion from SMST-121 to YS1360

Before Replacement (Old Model)					After Replacement (New Model), No Communication				After Replacement (New Model), with Communication *10			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
SMST				Auto/Manual Station	YS1360−130	+ SHUP-000*A	Plug		YS1360-140/A31		Terminal	*7
	-121			With process variable, manuipulated output lever, 4 to 20 mA and 1 to 5 V output	YS1360−130	+ SHUP-000*A	Plug		YS1360-140/A31		Terminal	*7
		*E		Style E								
Options related to main unit selection			/A2ER	220 V version with plug	YS1360-131	+ SHUP-000*A/A2ER	Plug		YS1360-141/A31		Terminal	*7, *9
			/A2	220 V version without plug	YS1360-131	+ SHUP-000*A/A2ER	Plug	*2	YS1360-141/A31		Terminal	*7, *9
			/HTB	Screw terminal for housing	YS1360-130	+ SHUP-000*A/HTB	Terminal		YS1360-140/A31		Terminal	*7, *9
			/100H	100 line housing	YS1360-150	+ YS006-000 *5	Terminal		YS1360-150/A31	+YS006-000	Terminal	*6, *7
			/LH	Long housing with terminal	YS1360-130	+SHUP-100*A	Terminal		None			
			/HEKC	EK housing	YS1360-130	+ SHUP-420*A+RA001	Terminal	*8	None			*5
Options unrelated to main unit selection			/MTS	With mounting kit		+ SHUP-□□□*A/MTS						*7
			/WSW	With spring washer		+ SHUP-□□□*A/WSW						
None *1			/SCF-G□M	Bezel color change				*4				
No need to consider			/NHS	Without housing				*2				
			/NPE	Nameplate engraving								
			/NP	Nemeplate lettering								
			/LOCK	Plug assembly (for special locking function) K9054F								

Replacement examples

SMST−121*E/MTS	YS1360-131 + SHUP-□□□*A/MTS
SMST−121*E/MTS/HTB	YS1360−130 + SHUP−000*A/HTB/MTS
SMST−121*E/MTS/LH	YS1360-130 +SHUP-100*A/MTS
SMST−121*E/HEKC	YS1360-130 + SHUP-420*A+RA001
SMST−121*E/A2ER/MTS	YS1360-131 + SHUP-000*A/A2ER/MTS
SMST−121*E/HTB	YS1360-130 + SHUP-000*A/HTB
SMST−121*E/A2ER	YS1360-131 + SHUP-000*A/A2ER
SMST−121*E/NHS	YS1360-130 + SHUP-000*A
SMST−121*E/NPE/100H	YS1360-130 + YS006-000
SMST−121*E/A2/MTS/NPE/HTB	YS1360-131 + SHUP-000*A/A2ER/MTS

*1 No YS1360 options are available that correspond to the old model options.
*2 We recommend switching the housing.
*3 Not available internally in the YS1360. Please use an external (JUXTA) signal conditioner.
Ex.: FC0A-HA*B (24 VDC power supply) recommended, but no OOP detection. Load resistance: 220 Ω
*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.
*5 With /LH, does not include communication
*6 Mounting kit uses existing settings
*7 The communication protocol is RS485. RS485 communication must also be used for CENTUM.
*8 The mounting kit for SHUP-420*A is RA001.
*9 The mounting kit for YS1700-14□ is MTY.
*10 We do not recommend selling /A32 (LCS communication) hereafter.
We recommend setting it to RS485 communication, and also changing the CENTUM communication.

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3.2 Model conversion from SMLD to YS1360

Before Replacement (Old Model)					After Replacement (New Model)			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes
SMLD				Manual Station				*12
	-100				YS1360-130	+ SHUP-000*A	Plug	
		*A		Style A				
Options related to main unit selection			/A2ER	220 V version with plug	YS1360-131	+ SHUP-000*A/A2ER	Plug	
			/A2	220 V version without plug	YS1360-131	+ SHUP-000*A/A2ER	Plug	*2
			/HTB	Screw terminal for housing	YS1360-130	+ SHUP-000*A/HTB	Terminal	
			/100H	100 line housing	YS1360-150	+ YS006-000	Terminal	*6
			/LH	Long housing with terminal	YS1360-130	+ SHUP-100*A	Terminal	
			/HEKC	EK housing	YS1360-130	+ SHUP-420*A	Terminal	*8
Options unrelated to main unit selection			/MTS	With mounting kit		+ SHUP-□□□*A/MTS		
			/WSW	With spring washer		+ SHUP-□□□*A/WSW		
			/FBP	Fuse bypass				TOKUCHU
None *1			/SCF-G□M	Bezel color change		No supported options		*4
No need to consider			/NHS	Without housing				*2
			/NP	Nemeplate lettering				
			/NPE	Nameplate engraving				
			/LOCK	Plug assembly (for special locking function) K9054F				

Replacement examples

SMLD−100*A/MTS	YS1360-130 + SHUP-000*A/MTS
SMLD−100*A/MTS/HTB	YS1360-130 + SHUP-000*A/MTS
SMLD−100*A/MTS/LH	YS1360-130 + SHUP-100*A/MTS
SMLD−100*A/A2ER/MTS/NPE	YS1360-131 + SHUP-000*A/A2ER
SMLD−100*A/HEKC	YS1360-130 + SHUP-420*A
SMLD−100*A/LH	YS1360-130 + SHUP-100*A/MTS
SMLD−100*A/A2ER/MTS	YS1360-131 + SHUP-000*A/A2ER
SMLD−100*A/NHS	YS1360-130 + SHUP-000*A
SMLD−100*A/NPE/HTB	YS1360-130
SMLD−100*A/100H	YS1360-130

*1 No YS1700 options are available that correspond to the old model options.
*2 We recommend switching the housing.
*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.
*6 Mounting kit uses existing settings
*8 The mounting kit for SHUP-420*A is RA001.
*12 Use the MV key for operation output operation.

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Revision Information

Title : YS1000 Replacement Guide
Overview, Model Conversion
Manual number : TI 01B08A02-05EN

June 2014/1st Edition
Newly published

Written by Yokogawa Electric Corporation
Published by Yokogawa Electric Corporation
2-9-32 Nakacho, Musashino-shi, Tokyo 180-8750, JAPAN